

ABSTRACT

This application relates to a method and apparatus for the electrophoresis, blotting and detection of nucleic acids, proteins and other biological molecules using a porous polymer gel carrier and assembly. The combination of a porous polymer gel carrier and attached laminate layer facilitates the electrophoresis and subsequent blotting analysis of nucleic acids, proteins and other biological molecules. The porous polymer gel carrier also facilitates the use, handling and processing of fragile separation materials such as polyacrylimide and agarose gels. The method and apparatus also permits the convenient packaging and distribution of standardized electrophoresis and blotting products.

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